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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/816,231	03/31/2004	Toshikazu Mochizuki	47434-00057	9143

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EXAMINER

JOHNSON, JONATHAN J

ART UNIT	PAPER NUMBER
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1725

DATE MAILED: 01/18/2006

Please find below and/or attached an Office communication concerning this application or proceeding.



## **DETAILED ACTION**

### ***Election/Restrictions***

Applicant's election with traverse of Group Ii in the reply filed on 11-8-05 is acknowledged. Applicant argues that claims are never species. The examiner agrees. The examiner, however, merely grouped the claims based on their particular embodiments based on their distinguishing characteristics. That is, while drawing figures may represent different embodiments, it is by no means <sup>ed</sup>limiting to only drawings.

### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1, 12, 81-84, 86, 92, 94-113 are rejected under 35 U.S.C. 103(a) as being unpatentable over US 3,211,354 (Dugard) in view of US 5,395,046 (Knobbe). Dugard teaches storage adapted to retain the molten solder (figure 1, item 10); and a first handle adapted to couple to a vacuum source and provide a passage within the first handle to convey the vacuum source to the tip to retrieve the melted solder, the first handle having an trigger actuator and a cavity adapted to releasably receive the storage to retain the melted solder retrieved through the tip positioned (figure 1, vacuum tube); where the cavity can be directly inserted and removed without opening the handle (figure 1, item 22); where the housing has a u-shaped radiation member (figure 1, the

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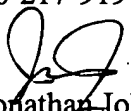
profile of the housing); where the longitudinal centerlines of the desoldering channel are aligned (figure 1, vacuum tube). Knobbe teaches the desirability of a removable pistol type handle to control the fluid flow (figure 4, item 77). It would have been obvious to one of ordinary skill in the art at the time of the invention to modify the system of Dugard to utilize the removable handle in order to improve its ergonomics (see Knobbe col. 3, ll. 5-25).

### *Conclusion*

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jonathan Johnson whose telephone number is 571-272-1177. The examiner can normally be reached on M-Th 7:30 AM-5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Pat Ryan can be reached on 571-272-1292. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Jonathan Johnson  
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Art Unit 1725